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TECH CENTER 1600/2900



SEQUENCE LISTING

<110> Ebersole, Edward C.

Hendrickson, Edwin

<120> NUCLEIC ACID FRAGMENTS FOR THE IDENTIFICATION OF DECHLORINATING BACTERIA

<130> BC1002 US NA

<140> US 09/548,998

<141> 2000-04-14

<150> 60/129,511

<151> 1999-04-15

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<170> Microsoft Office 97

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<213> Dehalococcoides ethenogenes

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<213> Dehalococcoides ethenogenes

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<210> 3

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<213> Dehalococcoides ethenogenes

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<210> 4

<211> 1377

<212> DNA

<213> Dehalococcoides ethenogenes

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cgcttggtga ggggcttgcg tccgattagc tagttggtgg ggtaatggcc taccaaggct 240
tcgatcggta gctggtctga gaggatgatc agccacactg ggactgagac acggcccaga 300
ctcctacggg aggcagcagc aaggaatctt gggcaatggg cgaaagcctg acccagcaac 360
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cggtagctgt ggaataagct tcggctaact acgtgccagc agccgcggta atacgtagga 480
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<210> 5

<211> 1377

<212> DNA

<213> Dehalococcoides ethenogenes

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<211> 1377

<212> DNA

<213> Dehalococcoides ethenogenes

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aactgaagggt aataccgcat gtggtgggcc gacataagtt ggttcactaa agccgtaagg 180
tgcttggtga ggggcttgcg tccgattagc tagttggtgg ggtaacggcc taccaaggct 240
tcgatcggta gctggtctga gaggatgatc agccacactg ggactgagac acggcccaga 300
ctcctacggg aggcagcagc aaggaatctt gggcaatggg cgaaagcctg acccagcaac 360
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agthtgagtht gctagtaacc gcatatcagc aaggtgcggt gaatacgttc tcgggccttg 1320
tacacaccgc ccgtcacgtc atgaaagccg gtaacacttg aagtcgatgt gccaaacc 1377

<210> 7

<211> 1443

<212> DNA

<213> Dehalococcoides ethenogenes

<220>

<221> misc_feature

<222> (1353)..(1353)

<223> N = A or G or C or T/U, unknown or other (any)

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 gta 1443

<210> 8

<211> 47

<212> DNA

<213> Artificial Sequence

<220>

<223> Consensus sequence derived from DHE-PL, DHE-STF, DHE-DAB, DHE-PIN
 and DHE-DLL at bases E180-E226.

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<223> R = A or G

<220>

<221> misc_feature

<222> (11)..(11)

<223> Y = C or T

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<222> (18)..(18)

<223> W = A or T

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<221> misc_feature

<222> (21)..(21)

<223> Y = C or T

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<221> misc_feature

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<220>

<221> misc_feature

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<223> Y = C or T

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47

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<211> 20

<212> DNA

<213> Dehalococcoides ethenogenes

<400> 9

aagtcgaacg gtcttaagca

20

<210> 10

<211> 20

<212> DNA

<213> Dehalococcoides ethenogenes

<400> 10
cgtcattatt cttccctgtg

20

<210> 11

<211> 21

<212> DNA

<213> Dehalococcoides ethenogenes

<400> 11
gggaaacgac ctgttaagtc a

21

<210> 12

<211> 22

<212> DNA

<213> Dehalococcoides ethenogenes

<400> 12
ggattagctc cagttcacac tg

22

<210> 13

<211> 20

<212> DNA

<213> Dehalococcoides ethenogenes

<400> 13
aaatttaact agcaacaagg

20

<210> 14

<211> 19

<212> DNA

<213> Dehalococcoides ethenogenes

<400> 14
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19

<210> 15

<211> 18

<212> DNA

<213> Dehalococcoides ethenogenes

<400> 15
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<210> 16

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agtgaaccga aaggga

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gggttgtaaa cctcttttca c

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<210> 19

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<400> 19

tcagtgcacaa cctagaaaac

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<210> 20

<211> 17

<212> DNA

<213> Dehalococcoides ethenogenes

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gatgaacgct agcggcg

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<211> 18

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<213> Dehalococcoides ethenogenes

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gtgccttatg catgcaag

18

<210> 22

<211> 21

<212> DNA

<213> Dehalococcoides ethenogenes

<400> 22

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21

<210> 23

<211> 22

<212> DNA

<213> Dehalococcoides ethenogenes

<400> 23
aatggacaga acaatagggt gc

22

<210> 24

<211> 21

<212> DNA

<213> Dehalococcoides ethenogenes

<400> 24
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21

<210> 25

<211> 20

<212> DNA

<213> Dehalococcoides ethenogenes

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20

<210> 26

<211> 20

<212> DNA

<213> Dehalococcoides ethenogenes

<400> 26
taaccgggac gwgtcattca

20

<210> 27

<211> 19

<212> DNA

<213> Dehalococcoides ethenogenes

<400> 27
gagtacagca ggagaaaac

19

<210> 28

<211> 21

<212> DNA

<213> Dehalococcoides ethenogenes

<400> 28
cctccttgcg gttggcacat c

21

<210> 29

<211> 19

<212> DNA

<213> Dehalococcoides ethenogenes

<400> 29
ggcagtctcg ctagaaaat

19

<210> 30

<211> 51

<212> DNA

<213> Artificial Sequence

<220>

<223> Consensus sequence derived from DHE-PL, DHE-STF, DHE-DAB, DHE-PIN
and DHE-DLL at bases E1001-E1047.

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<221> misc_feature

<222> (3)..(3)

<223> W = A or T

<220>

<221> misc_feature

<222> (14)..(14)

<223> M = A or C

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<221> misc_feature

<222> (22)..(22)

<223> R = A or G

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<222> (43)..(43)

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<221> misc_feature

<222> (44)..(44)

<223> M = A or C

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51

<210> 31

<211> 18

<212> DNA

<213> Dehalococcoides ethenogenes

<400> 31

attttctacg cgagactg

18

<210> 32

<211> 27

<212> DNA

<213> Dehalococcoides ethenogenes

<400> 32

attttctacg cgagactagc gagactg

27

<210> 33

<211> 1542

<212> DNA

<213> Dehalococcoides ethenogenes

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